

**WE CLAIM:**

1. A method for the synergistic treatment of cancer comprising administering to a mammal in need thereof a therapeutically effective amount of an IGF1R inhibitor in combination with a therapeutically effective amount of an additional anticancer agent in amounts sufficient to achieve a synergistic result.
2. The method according to claim 1 wherein said anticancer agent is a pan HER inhibitor, a Src inhibitor, a MEK inhibitor, or an EGFR inhibitor.
3. The method according to claim 2 wherein the anticancer agent is an EGFR inhibitor.
4. The method according to claim 3 wherein said EGFR inhibitor is erlotinib.
5. The method according to claim 3 wherein said EGFR inhibitor is cetuximab.
- 20 6. The method according to claim 3 wherein said EGFR inhibitor is gefitinib.
7. The method according to claim 2 wherein said anticancer agent is a Src inhibitor.
- 25 8. The method according to claim 7 wherein the Src inhibitor is selected from the group consisting of:  
[5-[(2,4,6-Trimethylphenyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid, 1,1-dimethylethyl ester;  
[5-[(2,4,6-Trimethylphenyl)amino]carbonyl]-4-trifluoromethyl-2-thiazolyl]carbamic acid, 1,1-dimethylethyl ester;  
2-Amino-N-(2,4,6-trimethylphenyl)-4-trifluoromethyl-5-thiazolecarboxamide, trifluoroacetate (1:1);

[5-[(2,4,6-Trimethylphenyl)amino]carbonyl]-4-phenyl-2-thiazolyl]carbamic acid, 1,1-dimethylethyl ester;

2-Amino-N-(2,4,6-trimethylphenyl)-4-phenyl-5-thiazolecarboxamide, trifluoroacetate (1:1);

5 [5-[[phenylamino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid, 1,1-dimethylethyl ester;

[5-[(2,4-Dichlorophenyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid, 1,1-dimethylethyl ester;

5-[(2,4,6-Trimethylphenyl)amino]carbonyl]-2-thiazolyl]carbamic acid, 1,1-dimethylethyl ester;

2-Amino-N-(2,4,6-trimethylphenyl)-4-phenyl-5-thiazolecarboxamide, trifluoroacetate (1:1);

[5-[(2-Methoxy-6-methylphenyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

15 [4-Methyl-5-[[[3-methyl-4-(1-methylethyl)phenyl]amino]carbonyl]-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[(4-Bromo-2,6-dimethylphenyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[4-Methyl-5-[[[2-methyl-6-(1-methylethyl)phenyl]amino]carbonyl]-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

20 [5-[(2,4-Dimethylphenyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[4-Methyl-5-[[[2-methylphenyl]amino]carbonyl]-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

25 [5-[(2-Chloro-6-methylphenyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[[[2-(1,1-Dimethylethyl)-4-methylphenyl]amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[[[2-Furanylmethyl]amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 30 1,1-dimethylethyl ester;

[5-[[[3-Methoxy-5-(trifluoromethyl)phenyl]amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[(4-Cyclohexylphenyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[(Cyclohexylmethyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

5 [5-[(2,3-Dihydro-1H-indenyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[(2,5-Dihydro-1H-pyrrol-1-yl)carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[(2,5-Dihydro-2,5-dimethyl-1H-pyrrol-1-yl)carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

10 1-[[2-[(1,1-Dimethylethoxy)carbonyl]amino]-4-methyl-5-thiazolyl]carbonyl]-L-prolinamide;

[5-[(4-Formyl-1-piperazinyl)carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

15 [5-(1,4-Dioxa-8-azaspiro[4.5]decan-8-ylcarbonyl)-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[[3-[(Diethylamino)carbonyl]-1-piperidinyl]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[4-Methyl-5-[(octahydro-1-quinolinyl)carbonyl]-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

20 2-[[[(1,1-Dimethylethoxy)carbonyl]amino]-4-methyl-5-thiazolecarboxylic acid 2-[(1,1-dimethylethoxy)carbonyl]hydrazide;

[5-[(4-Methoxyphenyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

25 [4-Methyl-5-[(4-methylphenyl)amino]carbonyl]-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[(1,2-Dimethylpropyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[(2,2-Dimethylpropyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

30 [4-Methyl-5-[(2-propynylamino)carbonyl]-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[4-Methyl-5-[(2-propynylamino)carbonyl]-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[4-Methyl-5-[(2-propenylamino)carbonyl]-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[4-Methyl-5-[(methylphenylamino)carbonyl]-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

5 [4-Methyl-5-[[[3,4,5-trimethoxyphenyl]amino]carbonyl]-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[[[2,6-Bis(1-methylethyl)phenyl]amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[[[3-(1H-Imidazol-1-yl)propyl]amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

10 [5-[[[3,4-Difluorophenyl)methyl]amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

N-[[2-[[1,1-Dimethylethoxy)carbonyl]amino]-4-methyl-5-thiazolyl]carbonyl]-L-leucine methyl ester;

15 [5-[[2-[[1,1-Dimethylethoxy)carbonyl]amino]-4-oxopentanoic acid methyl ester;

[5-[[[2-(Ethylthio) ethyl]amino]carbonyl]-4-methyl-2-thiazolyl] carbamic acid 1,1-dimethylethyl ester;

[5-[[Bis(3-methylbutyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid

20 1,1-dimethylethyl ester;

[5-[[Ethyl(1-methylethyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

2-[[1,1-Dimethylethoxy)carbonyl]amino]-4-methyl-5-thiazolecarboxylic acid 2-[[3,5-dichlorophenyl]amino]thioxomethyl]hydrazide;

25 [5-[[Bis(2-ethoxyethyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[4-Methyl-5-[[3-[(trifluoroacetyl)amino]-1-pyrrolidinyl]carbonyl]-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

[5-[[[2,6-Dimethylphenyl]amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

30 2-[[[2,2-Dichloro-1-methylcyclopropyl]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(Cyclohexylacetyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(2,5-Difluorobenzoyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

5 2-[(5-Bromo-2-chlorobenzoyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(3-Cyanobenzoyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[4-(Acetylamino)benzoyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

10 4-Methyl-2-[[3-(trifluoromethyl)benzoyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[2-(2-phenylethyl)benzoyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 2-[(3,5-Dimethylbenzoyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(4-Ethenylbenzoyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

20 2-[(4-Butylbenzoyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[(4-pentylbenzoyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[(1-oxo-3-phenoxypropyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

25 4-Methyl-2-[(1-oxo-3-phenylpropyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[3-(2-Methoxyphenyl)-1-oxopropyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[(2-naphthalenylacetyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

30 2-[(Diphenylacetyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(2-Chloro-6-fluorophenyl)acetyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[(2-methylphenyl)acetyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

5 2-[(3-Methoxyphenyl)acetyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(3,4-Dimethoxyphenyl)acetyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

10 2-[(4-Chlorophenyl)acetyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(1,1'-Biphenyl)-4-ylacetyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[(1-oxo-4-phenylbutyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 2-[(2-Hydroxy-2-phenyl-1-oxopropyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(2-Hydroxy-1-oxohexyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[1-oxo-4-(2-thienyl)butyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

20 4-Methyl-2-[(3-thienylcarbonyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(2-Benzofuranylcarbonyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

25 N-[4-Methyl-5-[(2,4,6-trimethylphenyl)amino]carbonyl]-2-thiazolyl]-4-pyridinecarboxamide, N-oxide;

6-Chloro-N-[4-methyl-5-[(2,4,6-trimethylphenyl)amino]carbonyl]-2-thiazolyl]-3-pyridinecarboxamide;

N-[4-Methyl-5-[(2,4,6-trimethylphenyl)amino]carbonyl]-2-thiazolyl]-3-pyridinecarboxamide;

30 N-[4-Methyl-5-[(2,4,6-trimethylphenyl)amino]carbonyl]-2-thiazolyl]-3-quinolinecarboxamide;

4-Methyl-2-[(4-nitrophenyl)acetyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[(2,4,6-trichlorobenzoyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

5 4-Methyl-2-[[2-[[3-(trifluoromethyl)phenyl]amino]benzoyl] amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[4-(4-nitrophenyl)-1-oxobutyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

10 4-Methyl-2-[[4-(methylsulfonyl)benzoyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(4-Heptylbenzoyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[2,4-Difluorophenyl)acetyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 (S)-2-[[2-(Dipropylamino)-1-oxopropyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(2-Biphenylenecarbonyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

20 2-[[3-(3-Methoxyphenyl)-1-oxopropyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-N-(2,4,6-trimethylphenyl)-2-[(2,4,6-trimethylphenyl)acetyl]amino]-5-thiazolecarboxamide;

4-Methyl-2-[(1-oxo-6-heptenyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

25 2-[(1,3-Benzodioxol-5-yl)acetyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[2-(phenylmethoxy)phenyl]acetyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

30 4-Methyl-2-[[3-phenoxyphenyl)acetyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(3,5-Dimethoxyphenyl)acetyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[4-[4-[Bis(2-chloroethyl)amino]phenyl]-1-oxobutyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-[[4-[[4-methyl-5-[(2,4,6-trimethylphenyl)amino]carbonyl]-2-thiazoly]amino]carbonyl]phenyl]amino]-4-oxobutanoic acid methyl ester;

5 4-Methyl-2-[[[phenylsulfonyl]acetyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[2-(Acetylamino)-1-oxohexyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[4-[(Dipropylamino)sulfonyl]benzoyl]amino]-4-methyl-N-(2,4,6-10 trimethylphenyl)-5-thiazolecarboxamide;

2-[(4-Cyclohexylbenzoyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(4-Bromo-3-methylbenzoyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 2-[[[2,3-Difluorophenyl]acetyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[4-(1-methylethyl)phenyl]acetyl]amino]-N-(2,4,6- trimethylphenyl)-5-thiazolecarboxamide;

2-[[[4-(1,1-Dimethylethyl)cyclohexyl]carbonyl]amino]-4-methyl-N-(2,4,6-20 trimethylphenyl)-5-thiazolecarboxamide;

N,N-Dimethyl-N'-[4-methyl-5-[(2,4,6-trimethylphenyl)amino]carbonyl]-2-thiazoly]butanediamide;

2-[(1,6-Dioxohexyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

25 2-[(Benzo[b]thiophen-2-ylcarbonyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(1-Adamantylcarbonyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[4-methylcyclohexyl]carbonyl]amino]-N-(2,4,6-30 trimethylphenyl)-5-thiazolecarboxamide;

2-[(1,7-Dioxooctyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[2-(Acetylamino)-4-(ethylthio)-1-oxobutyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

1,5-Dimethyl-N-[4-methyl-5-[[2,4,6-trimethylphenyl]amino]carbonyl]-2-thiazolyl]-1H-pyrazole-3-carboxamide;

5 2-[[[4-methyl-5-[[2,4,6-trimethylphenyl]amino]carbonyl]-2-thiazolyl]amino]carbonyl]benzoic acid;

N-[4-Methyl-5-[[2,4,6-trimethylphenyl]amino]carbonyl]-2-thiazolyl]-6-benzothiazolecarboxamide;

10 1-Ethyl-4-methyl-N-[4-methyl-5-[[2,4,6-trimethylphenyl]amino]carbonyl]-2-thiazolyl]-1H-pyrazole-3-carboxamide;

4-Methyl-2-[[3-[(3H-1,2,3-triazolo[4,5-b]pyridin-3-yloxy)methyl]benzoyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 2-[(2-Furanylcarbonyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

[4-Methyl-5-[[2-nitrophenyl]amino]carbonyl]-2-thiazolyl]carbamic acid, 1,1-dimethylethyl ester;

20 [4-Methyl-5-[[2,4,6-trimethylphenyl]amino]carbonyl]-2-thiazolyl]carbamic acid, phenylmethyl ester;

Methyl[4-methyl-5-[[2,4,6-trimethylphenyl]amino]carbonyl]-2-thiazolyl]carbamic acid, 1,1-dimethylethyl ester;

[4-Methyl-5-[[methyl(2,4,6-trimethylphenyl)amino]carbonyl]-2-thiazolyl]carbamic acid, 1,1-dimethylethyl ester;

25 [4-Methyl-5-[[2,4,6-trimethylphenyl]amino]carbonyl]-2-thiazolyl]carbamic acid, methyl ester;

[4-Ethyl-5-[[2,4,6-trimethylphenyl]amino]carbonyl]-2-thiazolyl]carbamic acid, 1,1-dimethylethyl ester;

[5-[[2,6-Dichlorophenyl]amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid, 1,1-dimethylethyl ester;

30 2-Amino-N-(2-methyl-6-isopropylphenyl)-4-methyl-5-thiazolecarboxamide, trifluoroacetate (1:1);

2-(Benzoylamino)-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[(phenylcetyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

5 2-[(Acetylamino)acetyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-6-thiazolecarboxamide;

2-Amino-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarbothioamide;

2-[(4-Bromobenzoyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

10 4-Methyl-2-[(4-nitrobenzoyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(4-Cyanobenzoyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[5-nitro-2-furanyl]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 4-Methyl-2-[(2-thienylcarbonyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-[[4-Methyl-5-[(2,4,6-trimethylphenyl) amino]carbonyl]-2-thiazolyl]amino]carbonyl]benzoic acid methyl ester;

20 2-[(5-Isoxazolylcarbonyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(3-Furanylcarbonyl)amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

25 2-[(2,4-Dimethyl-5-thiazolyl)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(4-Methoxy-3-thienyl)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[5-nitro-3-thienyl]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

30 2-[[4-[(4-Chlorophenyl)thio]-3-thienyl]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(5-Chloro-4-methoxy-3-thienyl)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[2-(4,5-Dihydro-4,4-dimethyl-2-oxazolyl)-3-thienyl]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

5 2-[(2-Acetyl-3-thienyl)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[(methylamino)carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

10 4-Methyl-2-[(phenylamino)carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[(4-methylphenyl)amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[(phenylmethyl)amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 2-[(Butylamino)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[(propylamino)carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

20 2-[(Cyclohexylamino)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[2-Chlorophenyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[3-Fluorophenyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

25 2-[[[2,6-Dimethylphenyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

[5-[(2,4,6-Trimethylphenyl)amino]carbonyl]-4-methyl-2-thiazolyl]carbamic acid, phenyl ester;

4-Methyl-2-[(2-phenylethyl)amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide

30 2-[(Hexylamino)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(1,1-Dimethylethyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(3-Fluoro-4-methylphenyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

5 2-[[[(4-Methoxyphenyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(Diethylamino)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

10 2-[[[Bis(1-methylethyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[methyl(phenylmethyl)amino] carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[(methylphenylamino)carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 2-[[[(Cyclohexylmethylamino)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[(1-phenylethyl)amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(Cyclopropylmethyl)propylamino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

20 4-Methyl-2-[[[(2-methylcyclohexyl)amino]carbonyl] amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[(4-methylcyclohexyl)amino]carbonyl] amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

25 2-[[[(Cyclohexylmethyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(2,3-Dihydro-1H-inden-1-yl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[(1-naphthalenylmethyl)amino] carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide

30 2-[[[Bis(phenylmethyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2,6-Dimethyl-N-[4-methyl-5-[(2,4,6-trimethylphenyl)amino]carbonyl]-2-thiazolyl]-4-morpholinecarboxamide;

2-Ethyl-N-[4-methyl-5-[(2,4,6-trimethylphenyl)amino]carbonyl]-2-thiazolyl]-1-piperidinecarboxamide;

5 1-[[[4-Methyl-5-[(2,4,6-trimethylphenyl) amino]carbonyl]-2-thiazolyl]amino]carbonyl]-3-piperidinecarboxylic acid ethyl ester;

3,3-Dimethyl-N-[4-methyl-5-[(2,4,6-trimethylphenyl)amino]carbonyl]-2-thiazolyl]-1-piperidinecarboxamide

10 1-[[[4-Methyl-5-[(2,4,6-trimethylphenyl)amino] carbonyl]-2-thiazolyl]amino]carbonyl]-4-piperidinecarboxylic acid ethyl ester;

4-Methyl-2-[[[(3-methyl-2-pyridinyl)amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide

4-Methyl-2-[[[1-(phenylmethyl)-4-piperidinyl]amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 Octahydro-N-[4-methyl-5-[(2,4,6-trimethylphenyl)amino]carbonyl]-2-thiazolyl]-1(2H)-quinolinecarboxamide;

3,4-Dihydro-N-[4-methyl-5-[(2,4,6-trimethylphenyl)amino]carbonyl]-2-thiazolyl]-2(1H)-isoquinolinecarboxamide;

20 2-[[[(1,5-Dimethylhexyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[(1-methylheptyl)amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide

2-[[[[2-Fluorophenyl)methyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

25 2-[[[[2-Methoxyphenyl)methyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[[2-Ethoxyphenyl)methyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

30 2-[[[[3-Methoxyphenyl)methyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[[4-Chlorophenyl)methyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[[(4-Methoxyphenyl)methyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(2,2-Diphenylethyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide

5 2-[[[(2-Aminoethyl)phenylamino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(2-(3-Methoxyphenyl)ethyl)amino]carbonyl] amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

10 2-[[[[2-(3,4-Dimethoxyphenyl)ethyl]amino] carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[[2-(4-Methoxyphenyl)ethyl]amino]carbonyl] amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[(3-phenylpropyl)amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 2-[[[[2-(Cyclohex-1-en-1-yl)ethyl]amino]carbonyl] amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[[4-(1,1-Dimethylethyl)cyclohexyl]amino] carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

20 2-[[[(3-Butoxypropyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[[2-(2-Methoxyphenyl)ethyl]amino] carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[[2-Chloro-4-fluorophenyl)methyl]amino] carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

25 2-[[[(Hexylmethylamino)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[[1-(4-Chlorophenyl)ethyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

30 2-[[[[2-(3-Chlorophenyl)ethyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[(2-(2-thienyl)ethyl]amino] carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[2-(2-Fluorophenyl)ethyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[2-(2-pyridinyloxy)ethyl]amino] carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

5 2-[[[(2-Bromo-4,5-dimethoxyphenyl)methyl] methylamino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

(E)-2-[[[(3,7-Dimethyl-2,6-octadienyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(2,3-Dihydro-1,4-benzodioxin-2-yl)methyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

10 2-[[[3-Methoxy-5-(trifluoromethyl)phenyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(4-Cyclohexylphenyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 4-Methyl-2-[[[(5,6,7,8-tetrahydro-1-naphthalenyl)amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(1-Anthracynlamino)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(4-Chloro-1-naphthalenyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

20 4-Methyl-2-[[[(2-naphthalenylamino)carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(1H-Indol-5-ylamino)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

25 2-[[[(1,3-Benzodioxol-5-ylamino)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[(2-pyrazinylamino)carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(5-Chloro-2-pyridinyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

30 4-Methyl-2-[[[(6-methyl-2-pyridinyl)amino]carbonyl] amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[(2-methyl-4-quinolinyl)amino]carbonyl] amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[(2,3-Dihydro-1,4-benzodioxin-6-yl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

5 2-[[(1,1'-Biphenyl]-2-ylamino)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[(4-Methoxy-2-methylphenyl)amino]carbonyl] amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide

4-Methyl-N-(2,4,6-trimethylphenyl)-2-[[(2,4,6-

10 trimethylphenyl)amino]carbonyl]amino]-5-thiazolecarboxamide;

2-[[[[2-(2-Hydroxyethyl)phenyl]amino] carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[(3-Methoxyphenyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 2-[[(4-Methoxy[1,1'-biphenyl]-3-yl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[(3-Acetylphenyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[(4-Cyanophenyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-

20 trimethylphenyl)-5-thiazolecarboxamide;

2-[[[[4-Fluoro-2-(trifluoromethyl)phenyl] amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide

2-[[(4-Hexyloxyphenyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

25 4-[[[[4-Methyl-5-[(2,4,6-trimethylphenyl)amino] carbonyl]-2-thiazolyl]amino]carbonyl]amino]benzoic acid ethyl ester;

2-[[(4-Decylphenyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[(4-propylphenyl)amino]carbonyl]amino]-N-(2,4,6-

30 trimethylphenyl)-5-thiazolecarboxamide

4-Methyl-2-[[(3,4,5-trimethoxyphenyl)amino] carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[4-[(5-methyl-3-isoxazolyl)amino]sulfonyl]phenyl]amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-[[[4-Methyl-5-[(2,4,6-trimethylphenyl) amino]carbonyl]-2-thiazolyl]amino]carbonyl]amino]benzoic acid butyl ester;

2-[(1-Isoquinolinylamino)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[2-[(phenylmethyl)thio]phenyl] amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[4-[(5-phenoxypentyl)oxy]phenyl] amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[5-(1,1-Dimethylpropyl)-2-methoxyphenyl] amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[1,2-Dihydro-5-acenaphthylenyl]amino] carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[3-phenoxyphenyl] amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide

4-Methyl-2-[[[2-(4-morpholinyl)phenyl]amino] carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[2-(1-piperidinyl)phenyl] amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[1-Acetyl-2,3-dihydro-1H-indol-6-yl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[2-Bromo-5-methoxyphenyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[2,3-Dimethyl-1H-indol-5-yl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

4-Methyl-2-[[[2-[(1-methylethyl)amino]carbonyl]phenyl]amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[3-Bromo-2-methylphenyl]amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[[[(4-Methoxybutyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide  
2-[[[(3,3-Dimethylbutyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

5 4-Methyl-2-[[[(2-methylbutyl)amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;  
4-Methyl-2-[[[(3-methylbutyl)amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;  
2-[[[(2-Methoxyethyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-10 trimethylphenyl)-5-thiazolecarboxamide;  
2-[[[(2-(Dimethylamino)ethyl)amino]carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;  
4-Methyl-2-[[[(2-(methylthio)ethyl) amino]carbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

15 2-[[[(Butylamino)carbonyl]amino]-N-(2,3-dihydro-1H-inden-5-yl)-4-methyl-5-thiazolecarboxamide;  
2-[[[(Butylamino)carbonyl]amino]-N-2-naphthalenyl-4-methyl-5-thiazolecarboxamide;  
2-[[[(Butylamino)carbonyl]amino]-N-(3-hydroxy-2-naphthalenyl)-4-methyl-5-20 thiazolecarboxamide;  
2-[[[(Butylamino)carbonyl]amino]-N-(2-fluoro-5-methylphenyl)-4-methyl-5-thiazolecarboxamide;  
2-[[[(Butylamino)carbonyl]amino]-N-(2,6-dimethylphenyl)-4-methyl-5-thiazolecarboxamide;

25 N-(3-Bromo-2,4,6-trimethylphenyl)-2-[[[(butylamino)carbonyl]amino]-4-methyl-5-thiazolecarboxamide;  
2-[[[(Butylamino)carbonyl]amino]-N-[2,6-dimethyl-3-(1-methylethyl)phenyl]-4-methyl-5-thiazolecarboxamide  
N-(2-Bromo-4,6-dimethylphenyl)-2-[[[(butylamino)carbonyl]amino]-4-methyl-30 5-thiazolecarboxamide;  
3-[[[2-[[[(Butylamino)carbonyl]amino]-4-methyl-5-thiazolyl]carbonyl]amino]-4-methyl-2-thiophenecarboxylic acid methyl ester;

2-[(Butylamino)carbonyl]amino]-4-methyl-N-(2-methyl-6-quinolinyl)-5-thiazolecarboxamide;

2-[(Butylamino)carbonyl]amino]-N-(2,6-dimethoxyphenyl)-4-methyl-5-thiazolecarboxamide;

5 2-[(Butylamino)carbonyl]amino]-N-(4-methoxy-2-naphthalenyl)-4-methyl-5-thiazolecarboxamide;

2-[(Butylamino)carbonyl]amino]-N-(2-methyl-1-naphthalenyl)-4-methyl-5-thiazolecarboxamide;

10 2-[(Butylamino)carbonyl]amino]-N-[4-(dimethylamino)-2,3,5,6-tetramethylphenyl]-4-methyl-5-thiazolecarboxamide;

2-[(Butylamino)carbonyl]amino]-N-(6-methyl-5-quinolinyl)-4-methyl-5-thiazolecarboxamide;

2-[(Butylamino)carbonyl]amino]-N-[2-(2-hydroxyethyl)-6-methylphenyl]-4-methyl-5-thiazolecarboxamide;

15 2-[(Butylamino)carbonyl]amino]-N-(2,6-dimethyl-3-nitrophenyl)-4-methyl-5-thiazolecarboxamide;

N-(2-Bromo-3,4,6-trimethylphenyl)-2-[(butylamino)carbonyl]amino]-4-methyl-5-thiazolecarboxamide;

N-(2-Acetyl-6-hydroxyphenyl)-2-[(butylamino)carbonyl]amino]-4-methyl-5-thiazolecarboxamide;

20 [4-[[2-[(Butylamino)carbonyl]amino]-4-methyl-5-thiazolyl]carbonyl]amino]-2,3,5,6-tetramethylphenyl]carbamic acid 1,1-dimethylethyl ester;

2-[(Butylamino)carbonyl]amino]-N-(2,6-dichlorophenyl)-4-methyl-5-thiazolecarboxamide;

25 N-(4-Amino-2,3,5,6-tetramethylphenyl)-2-[(butylamino)carbonyl]amino]-4-methyl-5-thiazolecarboxamide;

N-[5-(Acetylamino)-2,4-dimethylphenyl]-2-[(butylamino)carbonyl]amino]-4-methyl-5-thiazolecarboxamide;

30 N-(4-Bromo-2,6-dimethylphenyl)-2-[(butylamino)carbonyl]amino]-4-methyl-5-thiazolecarboxamide

2-[(Butylamino)carbonyl]amino]-N-(2-chloro-6-methylphenyl)-4-methyl-5-thiazolecarboxamide;

4-Methyl-2-[(methylsulfonyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

5 4-Methyl-2-[(phenylamino)thiocarbonyl]amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

2-[(Ethylamino)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

10 N-(2-Chloro-6-methylphenyl)-2-[(cyclopropylcarbonyl)amino]-5-thiazolecarboxamide;

2-[[[(1,1-Dimethylethyl)amino]carbonyl]amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

2-[[[(1,1-Dimethylethoxy)carbonyl]amino]-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazoleacetamide;

15 2-Amino-4-methyl-N-(2,4,6-trimethylphenyl)-5-thiazoleacetamide;

N-(2-Chloro-6-methylphenyl)-2-[(4,6-dimethyl-2-pyridinyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(4-ethyl-2-pyridinyl)amino]-5-thiazolecarboxamide;

20 N-(2-Chloro-6-methylphenyl)-2-[(2,6-dimethyl-4-pyrimidinyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-(3-pyridazinylamino)-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-4-methyl-2-[(2-thienylcarbonyl)amino]-5-thiazolecarboxamide;

25 N-(2-Chloro-6-methylphenyl)-2-[(cyclopropylcarbonyl)amino]-4-methyl-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-4-methyl-2-[(2-furanylcarbonyl)amino]-5-thiazolecarboxamide;

30 N-(2-Chloro-6-methylphenyl)-4-methyl-2-[(3-thienylcarbonyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-4-methyl-2-[(3-furanylcarbonyl)amino]-5-thiazolecarboxamide;

trans-N-(2-Chloro-6-methylphenyl)-4-methyl-2-[(2-phenylcyclopropyl)carbonyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-4-methyl-2-[(2-methylcyclopropyl)carbonyl]amino]-5-thiazolecarboxamide;

5 N-(2-Chloro-6-methylphenyl)-2-[(cyclobutylcarbonyl)amino]-4-methyl-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(cyclopentylcarbonyl)amino]-4-methyl-5-thiazolecarboxamide;

2-(Benzoylamino)-N-(2-chloro-6-methylphenyl)-4-methyl-5-

10 thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(1-oxopropyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(1-oxobutyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(2-ethyl-1-oxobutyl)amino]-5-

15 thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[1-phenylcyclopropyl)carbonyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[1-methylcyclopropyl)carbonyl]amino]-5-thiazolecarboxamide;

20 N-(2-Chloro-6-methylphenyl)-2-[[2,2-dichloro-1-methylcyclopropyl)carbonyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[2-methylcyclopropyl)carbonyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[1-hydroxycyclopropyl)carbonyl]amino]-5-

25 thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[2,2,3,3-tetramethylcyclopropyl)carbonyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[1-cyanocyclopropyl)carbonyl]amino]-5-thiazolecarboxamide;

30 N-(2-Chloro-6-methylphenyl)-2-[(cyclobutylcarbonyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(cyclopentylcarbonyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(cyclohexylcarbonyl)amino]-5-thiazolecarboxamide;

5 N-(2-Chloro-6-methylphenyl)-2-[(phenylacetyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(cyclohexylacetyl)amino]-5-thiazolecarboxamide;

10 N-(2-Chloro-6-methylphenyl)-2-[(4-pyridinylacetyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[2,5-dimethyl-1H-pyrrol-3-yl)carbonyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(2-pyridinylcarbonyl)amino]-5-thiazolecarboxamide;

15 N-(2-Chloro-6-methylphenyl)-2-[(3-pyridinylcarbonyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(4-pyridinylcarbonyl)amino]-5-thiazolecarboxamide;

20 N-(2-Chloro-6-methylphenyl)-2-[(3-thienylcarbonyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(2-thienylcarbonyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(2-furanylcarbonyl)amino]-5-thiazolecarboxamide;

25 N-(2-Chloro-6-methylphenyl)-2-[(3-furanylcarbonyl)amino]-5-thiazolecarboxamide;

trans-N-(2-Chloro-6-methylphenyl)-2-[[2-phenylcyclopropyl)carbonyl]amino]-5-thiazolecarboxamide;

30 N-(2-Chloro-6-methylphenyl)-2-[(2-methyl-1-oxopentyl)amino]-5-thiazolecarboxamide;

2-(Benzoylamino)-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

2-[(Cyclopropylcarbonyl)amino]-N-(2,6-dimethylphenyl)-5-thiazolecarboxamide;

2-[(Cyclopropylcarbonyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

5 N-(2-Chloro-4,6-dimethylphenyl)-2-[(cyclopropylcarbonyl)amino]-5-thiazolecarboxamide;

[4-[2-Oxo-2-[(2,4,6-trimethylphenyl)amino]ethyl]-2-thiazolyl]carbamic acid 1,1-dimethylethyl ester;

2-Amino-N-(2,4,6-trimethylphenyl)-4-thiazoleacetamide;

10 5-Amino-2-methyl-N-(2,4,6-trimethylphenyl)benzamide;

2-Amino-5-chloro-N-(2,4,6-trimethylphenyl)-4-pyrimidinecarboxamide;

[4-Methyl-5-[(2,4,6-trimethylphenyl)amino]carbonyl]-2-oxazolyl]carbamic acid 1,1-dimethylethyl ester;

2-Amino-4-(methyl)-N-(2,4,6-trimethylphenyl)-5-oxazolecarboxamide,

15 trifluoroacetate (1:1);

2-Amino-N-(2,4,6-trimethylphenyl)-5-pyridinecarboxamide;

3-Amino-N-(2,4,6-trimethylphenyl)-4-pyridinecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(4-methyl-2-pyridinyl)amino]-5-thiazolecarboxamide;

20 2-[(6-Amino-2-pyridinyl)amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(6-propyl-2-pyridinyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(6-ethyl-4-pyrimidinyl)amino]-5-

25 thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-(2-pyridinylamino)-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[(6-methyl-2-pyridinyl)amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[(5-methyl-2-pyridinyl)amino]-5-

30 thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[(4-methyl-2-pyridinyl)amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[(3-methyl-2-pyridinyl)amino]-5-thiazolecarboxamide;

'2-[(5-Bromo-3-methyl-2-pyridinyl)amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

5 '2-[(6-Amino-2-pyridinyl)amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

'2-[(5-Bromo-2-pyridinyl)amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

10 'N-(2-Chloro-6-methylphenyl)-2-[[3-(phenylmethoxy)-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[(5-chloro-2-pyridinyl)amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[(6-ethyl-2-pyridinyl)amino]-5-thiazolecarboxamide;

15 'N-(2-Chloro-6-methylphenyl)-2-[(6-propyl-2-pyridinyl)amino]-5-thiazolecarboxamide;

'2-[(3-Bromo-5-methyl-2-pyridinyl)amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

'2-[(2-Amino-3-pyridinyl)amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

20 '2-[(3-Amino-2-pyridinyl)amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-(4-pyridinylamino)-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-(3-pyridinylamino)-5-thiazolecarboxamide;

25 'N-(2-Chloro-6-methylphenyl)-2-[(6-chloro-3-pyridinyl)amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[(2-chloro-3-pyridinyl)amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[(6-methoxy-3-pyridinyl)amino]-5-thiazolecarboxamide;

30 'N-(2-Chloro-6-methylphenyl)-2-[(3,5-dimethyl-2-pyrazinyl)amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-(phenylamino)-5-thiazolecarboxamide;  
'N-(2-Chloro-6-methylphenyl)-2-[(3-ethylphenyl)amino]-5-thiazolecarboxamide;  
5 'N-(2-Chloro-6-methylphenyl)-2-[(3,5-dimethylphenyl)amino]-5-thiazolecarboxamide;  
'N-(2-Chloro-6-methylphenyl)-2-[(4,6-dimethyl-2-pyrimidinyl)amino]-5-thiazolecarboxamide;  
10 'N-(2-Chloro-6-methylphenyl)-2-[(6-ethyl-4-pyrimidinyl)amino]-5-thiazolecarboxamide;  
'N-(2-Chloro-6-methylphenyl)-2-[(6-chloro-2-pyrazinyl)amino]-5-thiazolecarboxamide;  
15 '2-[(3-Aminophenyl)amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;  
'N-(2-Chloro-6-methylphenyl)-2-[(3-hydroxyphenyl)amino]-5-thiazolecarboxamide;  
20 '2-[(3-Bromophenyl)amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;  
'N-(2,6-Dimethylphenyl)-2-(phenylamino)-5-thiazolecarboxamide;  
'N-(2,6-Dimethylphenyl)-2-(methylphenylamino)-5-thiazolecarboxamide;  
25 'N-(2,6-Dimethylphenyl)-2-(2-pyridinylamino)-5-thiazolecarboxamide;  
'N-(2,6-Dimethylphenyl)-2-[(6-methyl-2-pyridinyl)amino]-5-thiazolecarboxamide;  
30 'N-(2,6-Dimethylphenyl)-2-[(4-methyl-2-pyridinyl)amino]-5-thiazolecarboxamide;  
'N-(2,6-Dimethylphenyl)-2-[(4-ethyl-2-pyridinyl)amino]-5-thiazolecarboxamide;  
'N-(2,6-Dimethylphenyl)-2-[(4,6-dimethyl-2-pyridinyl)amino]-5-thiazolecarboxamide;  
35 '2-[(6-Amino-2-pyridinyl)amino]-N-(2,6-dimethylphenyl)-5-thiazolecarboxamide;  
'N-(2,6-Dimethylphenyl)-2-[(6-ethyl-2-pyridinyl)amino]-5-thiazolecarboxamide;

'N-(2,6-Dimethylphenyl)-2-[(6-propyl-2-pyridinyl)amino]-5-thiazolecarboxamide;

'2-[(2-Amino-3-pyridinyl)amino]-N-(2,6-dimethylphenyl)-5-thiazolecarboxamide;

5 '2-[(3-Amino-2-pyridinyl)amino]-N-(2,6-dimethylphenyl)-5-thiazolecarboxamide;

'2-[(6-Amino-2-methyl-4-pyrimidinyl)amino]-N-(2,6-dimethylphenyl)-5-thiazolecarboxamide;

10 'N-(2,6-Dimethylphenyl)-2-[[6-(4-morpholinyl)-3-pyridazinyl]amino]-5-thiazolecarboxamide;

'2-[(6-Chloro-3-pyridazinyl)amino]-N-(2,6-dimethylphenyl)-5-thiazolecarboxamide;

'N-(2,6-Dimethylphenyl)-2-(3-pyridazinylamino)-5-thiazolecarboxamide;

'2-[(3-Aminophenyl)amino]-N-(2,6-dimethylphenyl)-5-thiazolecarboxamide;

15 '2-[(3-Bromophenyl)amino]-N-(2,6-dimethylphenyl)-5-thiazolecarboxamide;

'2-(2-Pyridinylamino)-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

'2-[(6-Methyl-2-pyridinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

20 '2-[(5-Methyl-2-pyridinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

'2-[(4-Methyl-2-pyridinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

'2-[(3-Methyl-2-pyridinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

25 '2-[(5-Bromo-2-pyridinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

'2-[(5-Chloro-2-pyridinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

'2-[(6-Methoxy-3-pyridinyl)amino]-N-(2,4,6-trimethylphenyl)-5-

30 thiazolecarboxamide;

'2-[(4-Ethyl-2-pyridinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

'2-[(6-Ethyl-2-pyridinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

'2-[(6-Chloro-3-pyridinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

5 '2-[(2,6-Dimethyl-4-pyrimidinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

'2-[(4-Methyl-2-pyrimidinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

'2-(2-Pyrazinylamino)-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide

10 '2-[(6-Chloro-2-pyrazinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

'2-[(3,5-Dimethyl-2-pyrazinyl)amino]-N-(2,4,6-trimethylphenyl)-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[2-methyl-6-[[2-(4-

15 morpholinyl)ethyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[2-methyl-6-[[3-(4-

morpholinyl)propyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[2-methyl-6-[methyl[3-

(methylamino)propyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

20 'N-(2-Chloro-6-methylphenyl)-2-[[2-methyl-6-[[2-(tetrahydro-2-oxo-1H-

imidazol-1-yl)ethyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[2-methyl-6-[(2-1H-imidazol-4-

ylethyl)amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[2-methyl-6-(4-morpholinyl)-4-

25 pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[[(2R)-1-ethyl-2-

pyrrolidinyl]methyl]amino]-2-methyl-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[[(2S)-1-ethyl-2-

pyrrolidinyl]methyl]amino]-2-methyl-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

30 '2-[[6-[(2S)-2-(Aminocarbonyl)-1-pyrrolidinyl]-2-methyl-4-

pyrimidinyl]amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[(2-hydroxyethyl)amino]-2-methyl-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[4-(hydroxymethyl)-1-piperidinyl]-2-methyl-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

5 'N-(2-Chloro-6-methylphenyl)-2-[[6-[4-(2-hydroxyethyl)-1-piperazinyl]-2-methyl-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'1-[6-[[5-[(2-Chloro-6-methylphenyl)amino]carbonyl]-2-thiazolyl]amino]-2-methyl-4-piperidinecarboxamide;

10 'N-(2-Chloro-6-methylphenyl)-2-[[2-methyl-6-[(3S)-3-methyl-1-piperazinyl]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'2-[[6-[3-(Acetylamino)-1-pyrrolidinyl]-2-methyl-4-pyrimidinyl]amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

15 'N-(2-Chloro-6-methylphenyl)-2-[[2-methyl-6-[(5-methyl-2-pyrazinyl)methyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[2-methyl-6-[[2-(1H-1,2,3-triazol-1-yl)ethyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

20 'N-(2-Chloro-6-methylphenyl)-2-[[6-[[2-(4-morpholinyl)ethyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[2-(dimethylamino)ethyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

25 'N-(2-Chloro-6-methylphenyl)-2-[[6-[[2-(tetrahydro-2-oxo-1H-imidazol-1-yl)ethyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[methyl[2-(methylamino)ethyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

30 'N-(2-Chloro-6-methylphenyl)-2-[[6-[[2-(1-methyl-2-pyrrolidinyl)ethyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[1-ethyl-2-pyrrolidinyl)methyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[(4-piperidinylmethyl)amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'2-[[6-[[2-(Acetylamino)ethyl]amino]-4-pyrimidinyl]amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

5 'N-(2-Chloro-6-methylphenyl)-2-[[6-[[2-(1H-1,2,3-triazol-1-yl)ethyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-(4-morpholinyl)-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

10 'N-(2-Chloro-6-methylphenyl)-2-[[6-[[2-(4-morpholinyl)ethyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[3-(4-morpholinyl)propyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[methyl[3-(methylamino)propyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

15 'N-(2-Chloro-6-methylphenyl)-2-[[6-[(3S)-3-methyl-1-piperazinyl]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[(3-1H-imidazol-1-ylpropyl)amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[(2-hydroxyethyl)amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

20 'N-(2-Chloro-6-methylphenyl)-2-[[6-[(2-1H-imidazol-1-ylethyl)amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-(4-morpholinyl)-2-pyridinyl]amino]-5-thiazolecarboxamide;

25 'N-(2-Chloro-6-methylphenyl)-2-[[6-[[2-(4-morpholinyl)ethyl]amino]-2-pyrazinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[3-(4-morpholinyl)propyl]amino]-2-pyrazinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-(4-morpholinyl)-2-pyrazinyl]amino]-5-thiazolecarboxamide;

30 'N-(2-Chloro-6-methylphenyl)-2-[[6-[(3S)-3-methyl-1-piperazinyl]-2-pyrazinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-(3-hydroxy-1-pyrrolidinyl)-2-pyrazinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-(1H-imidazol-1-yl)-2-pyrazinyl]amino]-5-thiazolecarboxamide;

5 'N-(2-Chloro-6-methylphenyl)-2-[[6-(3-hydroxy-1-pyrrolidinyl)-3-pyridazinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-(1H-imidazol-1-yl)-3-pyridazinyl]amino]-5-thiazolecarboxamide;

10 'N-(2-Chloro-6-methylphenyl)-2-[[3-(methylamino)-2-pyrazinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[3-(3-hydroxy-1-pyrrolidinyl)-2-pyrazinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[3-(cyclopropylamino)-2-pyrazinyl]amino]-5-thiazolecarboxamide;

15 'N-(2-Chloro-6-methylphenyl)-2-[[3-(4-morpholinyl)-2-pyrazinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[3-[[2-(4-morpholinyl)ethyl]amino]-2-pyrazinyl]amino]-5-thiazolecarboxamide;

20 '2-[[3-[[2-(Acetylamino)ethyl]amino]-2-pyrazinyl]amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-(cyclohexylamino)-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-(methylamino)-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-(cyclopropylamino)-5-thiazolecarboxamide;

25 'N-(2-Chloro-6-methylphenyl)-2-[(phenylmethyl)amino]-5-thiazolecarboxamide;

'2-[[2-(Acetylamino)ethyl]amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[1(R)-1-(hydroxymethyl)-3-methylbutyl]amino]-5-thiazolecarboxamide;

30 'N-(2-Chloro-6-methylphenyl)-2-[[6-(methoxymethyl)-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-hydroxymethyl)-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-(4-morpholinylmethyl)-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

5 'N-(2-Chloro-6-methylphenyl)-2-[[6-[[[2-(dimethylamino)-ethyl]amino]methyl]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[[2-(4-morpholinyl)ethyl]amino]methyl]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

10 'N-(2-Chloro-6-methylphenyl)-2-[[6-[[[3-(4-morpholinyl)propyl]-amino]methyl]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[[3-(2-oxo-1-pyrrolidinyl)propyl]amino]methyl]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[[(2-1H-imidazol-4-ylethyl)amino]methyl]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

15 'N-(2-Chloro-6-methylphenyl)-2-[[6-[[[(3-1H-imidazol-1-ylpropyl)amino]methyl]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[[2-(2-pyridinyl)ethyl]amino]methyl]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

20 'N-(2-Chloro-6-methylphenyl)-2-[[6-[[[2-(3-pyridinyl)ethyl]amino]methyl]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'1-[[6-[[5-[[2-Chloro-6-methylphenyl)amino]carbonyl]-2-thiazolyl]amino]-4-pyrimidinyl]methyl]-4-piperidinecarboxamide;

'2-[[6-[[[2-(Acetylamino)ethyl]amino]methyl]-4-pyrimidinyl]amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

25 'N-(2-Chloro-6-methylphenyl)-2-(2-naphthalenylamino)-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-(2-quinolinylamino)-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-(3-isoquinolinylamino)-5-thiazolecarboxamide;

30 'N-(2-Chloro-6-methylphenyl)-2-(2-quinoxalinylamino)-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-4-methyl-2-[[2-methyl-6-(4-morpholinyl)-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-4-methyl-2-[[2-methyl-6-[[2-(4-morpholinyl)ethyl]amino]-4-pyrimidinyl]amino]-5-thiazolecarboxamide;

5 '2-[(2,6-Dimethyl-4-pyrimidinyl)amino]-N-phenyl-5-thiazolecarboxamide;

'2-[(2,6-Dimethyl-4-pyrimidinyl)methylamino]-N-(2-methylphenyl)-5-thiazolecarboxamide;

'2-[(2,6-Dimethyl-4-pyrimidinyl)amino]-N-(2-methylphenyl)-5-thiazolecarboxamide;

10 'N-(3,5-Dimethoxyphenyl)-2-[(2,6-dimethyl-4-pyrimidinyl)amino]-5-thiazolecarboxamide;

'N-[2,6-Bis(1-methylethyl)phenyl]-2-[(2,6-dimethyl-4-pyrimidinyl)amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[2,6-dimethyl-4-pyrimidinyl)methylamino]-5-thiazolecarboxamide;

15 'N-(2-Chloro-6-methylphenyl)-2-[(2,6-dimethyl-4-pyrimidinyl)amino]-N-methyl-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[(2,6-dimethyl-4-pyrimidinyl)amino]-N-(6-bromo-2-pyridinyl)amino]-5-thiazolecarboxamide;

20 N-(2-Chloro-6-methylphenyl)-2-[(6-bromo-2-pyridinyl)amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[4-(2-furanylcarbonyl)-1-piperazinyl]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'2-[[6-[[3-(1H-Benzimidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-N-(2-chloro-6-methylphenyl)-5-thiazolecarboxamide;

25 'N-(2-Chloro-6-methylphenyl)-2-[[6-[[4-(1H-imidazol-1-yl)butyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[5-(1H-imidazol-1-yl)pentyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

30 'N-(2-Chloro-6-methylphenyl)-2-[[6-[[3-(4-methyl-1-piperazinyl)propyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[4-(1H-imidazol-1-yl)phenyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[6-(1H-imidazol-1-yl)hexyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

5 'N-(2-Chloro-6-methylphenyl)-2-[[6-[(3-1H-imidazol-1-ylpropyl)amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'2-[[6-[[3-(1H-Imidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-N-(4-methoxyphenyl)-5-thiazolecarboxamide;

'2-[[6-[[3-(1H-Imidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-N-(4-10 phenoxyphenyl)-5-thiazolecarboxamide;

'N-(4-Chlorophenyl)-2-[[6-[[3-(1H-imidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'2-[[6-[[3-(1H-Imidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-N-[1-(phenylmethyl)-1H-indazol-5-yl]-5-thiazolecarboxamide;

15 'N-(2-Ethylphenyl)-2-[[6-[[3-(1H-imidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2,6-Dimethoxyphenyl)-2-[[6-[[3-(1H-imidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2,4-Dimethoxyphenyl)-2-[[6-[[3-(1H-imidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

20 '2-[[6-[[3-(1H-Imidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-N-phenyl-5-thiazolecarboxamide;

'2-[[6-[[3-(1H-Imidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-N-(2-methylphenyl)-5-thiazolecarboxamide;

25 'N-(2-Chlorophenyl)-2-[[6-[[3-(1H-imidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2,6-Diethylphenyl)-2-[[6-[[3-(1H-imidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[6-[[3-(1H-imidazol-1-yl)propyl]amino]-2-30 pyridinyl]amino]-4-methyl-5-thiazolecarboxamide;

'2-[[6-[[3-(1H-Imidazol-1-yl)propyl]amino]-2-pyridinyl]amino]-4-methyl-N-[1-(phenylmethyl)-1H-indazol-5-yl]-5-thiazolecarboxamide;

'N-(2-Chloro-6-methylphenyl)-2-[[3-[[3-(1H-imidazol-1-yl)propyl]amino]phenyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[5-[[3-(1H-imidazol-1-yl)propyl]amino]-2-nitrophenyl]amino]-5-thiazolecarboxamide;

5 N-(2-Chloro-6-methylphenyl)-2-[(3,4,5-trimethoxy-phenyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methyl-phenyl)-2-[(4-methoxy-phenyl)amino]-5-thiazolecarboxamide;

10 N-(2-Chloro-6-methyl-phenyl)-2-[(3-methoxy-phenyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methyl-phenyl)-2-[(2-methoxy-phenyl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methyl-phenyl)-2-[(3,5-dimethoxyphenyl)amino]-5-thiazolecarboxamide;

15 N-(2-Chloro-6-methyl-phenyl)-2-[[4-(dimethylamino)-phenyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[4-(4-morpholinyl)phenyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[3-(carboxymethyl)-phenyl]amino]-5-thiazolecarboxamide;

20 N-(2-Chloro-6-methylphenyl)-2-[[3-(3-carboxypropyl)-phenyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[4-(carboxymethyl)phenyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(2-methyl-1H-benzimidazol-5-yl)amino]-5-thiazolecarboxamide;

25 N-(2-Chloro-6-methylphenyl)-2-[[1-[3-(1H-imidazol-1-yl)propyl]-1H-benzimidazol-4-yl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[1-[2-(1H-imidazol-1-yl)ethyl]-1H-indazol-6-yl]amino]-5-thiazolecarboxamide;

30 N-(2-Chloro-6-methylphenyl)-2-[[2-[2-(1H-imidazol-1-yl)ethyl]-2H-indazol-6-yl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(1-methyl-1H-benzimidazol-6-yl)amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[(1-methyl-1H-benzimidazol-5-yl)amino]-5-thiazolecarboxamide;

5 N-(2-Chloro-6-methylphenyl)-2-[[2-[3-(1H-imidazol-1-yl)propyl]amino]-1H-benzimidazol-5-yl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[2-(4-morpholinylmethyl)-1H-benzimidazol-5-yl]amino]-5-thiazolecarboxamide;

10 N-(2-Chloro-6-methylphenyl)-2-[[2-(1H-imidazol-1-ylmethyl)-1H-benzimidazol-5-yl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[3-[[5-(1H-imidazol-1-yl)-2-pyridinyl]amino]phenyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[3-[3-(1H-imidazol-1-yl)propoxy]phenyl]amino]-5-thiazolecarboxamide;

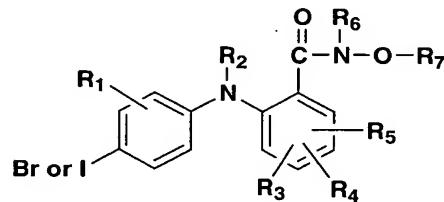
15 N-(2-Chloro-6-methylphenyl)-2-[[4-[3-(1H-imidazol-1-yl)propoxy]phenyl]amino]-5-thiazolecarboxamide;

N-(2-Chloro-6-methylphenyl)-2-[[3-[[3-(1H-imidazol-1-yl)propyl]amino]sulfonyl]phenyl]amino]-5-thiazolecarboxamide; and

20 N-(2-Chloro-6-methylphenyl)-2-[[4-[[3-(1H-imidazol-1-yl)propyl]amino]sulfonyl]phenyl]amino]-5-thiazolecarboxamide.

9. The method according to claim 2 wherein said anticancer agent is a MEK inhibitor having the formula:

25



wherein

R<sub>1</sub> is hydrogen, hydroxy, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> alkoxy, halo, trifluoromethyl, or CN;

R<sub>2</sub> is hydrogen;

R<sub>3</sub>, R<sub>4</sub>, and R<sub>5</sub> independently are hydrogen, hydroxy, halo, trifluoromethyl, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> alkoxy, nitro, CN, or (O or NH)<sub>m</sub>-(CH<sub>2</sub>)<sub>n</sub>-R<sub>9</sub>, where R<sub>9</sub> is hydrogen, hydroxy, CO<sub>2</sub>H or NR<sub>10</sub>R<sub>11</sub>;

5 n is 0 to 4;

m is 0 or 1;

R<sub>10</sub> and R<sub>11</sub> independently are hydrogen or C<sub>1</sub>-C<sub>8</sub> alkyl, or taken together with the nitrogen to which they are attached can complete a 3- to 10-member cyclic ring optionally containing one, two, or three additional heteroatoms selected from O, S,

10 NH, or N- C<sub>1</sub>-C<sub>8</sub> alkyl;

R<sub>6</sub> is hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl,  $\text{C}=\text{C}_1\text{-C}_8$  alkyl, aryl, aralkyl, or C<sub>3</sub>-C<sub>10</sub> cycloalkyl;

R<sub>7</sub> is hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>2</sub>-C<sub>8</sub> alkenyl, C<sub>2</sub>-C<sub>8</sub> alkynyl, C<sub>3</sub>-C<sub>10</sub> (cycloalkyl or cycloalkyl optionally containing a heteroatom selected from O, S, or NR<sub>9</sub>); and

15 wherein any of the foregoing alkyl, alkenyl, and alkynyl groups can be unsubstituted or substituted by cycloalkyl (or cycloalkyl optionally containing a heteroatom selected from O, S, or NR<sub>9</sub>), aryl, aryloxy, heteroaryl, or heteroaryloxy; or R<sub>6</sub> and R<sub>7</sub> taken together with the N-O to which they are attached can complete a 5- to 10-membered cyclic ring, optionally containing one, two, or three additional

20 heteroatoms selected from O, S, or NR<sub>10</sub>R<sub>11</sub>.

10. The method according to claim 9 wherein said MEK inhibitor is selected from the group consisting of:

25 4-Fluoro-N-hydroxy-2-(4-ido-2-methyl-phenylamino)-benzamide;  
 4-Fluoro-2-(4-ido-2-methyl-phenylamino)-N-(methoxy)-benzamide;  
 4-Fluoro-2-(4-ido-2-methyl-phenylamino)-N-(prop-2-nyloxy)-benzamide;  
 4-Fluoro-2-(4-ido-2-methyl-phenylamino)-N-(2-phenoxyethoxy)-benzamide;  
 4-Fluoro-2-(4-ido-2-methyl-phenylamino)-N-(2-thienylmethoxy)-benzamide;  
 4-Fluoro-2-(4-ido-2-methyl-phenylamino)-N-(prop-2-enyloxy)-benzamide;  
 30 4-Fluoro-2-(4-ido-2-methyl-phenylamino)-N-(cyclopropylmethoxy)-benzamide;  
 4-Fluoro-2-(4-ido-2-methyl-phenylamino)-N-(cyclopentoxy)-benzamide;

4-Fluoro-N-hydroxy-2-(4-iodo-2-methyl-phenylamino)-N-isopropyl-benzamide; and

4-Fluoro-N-hydroxy-2-(4-iodo-2-methyl-phenylamino)-N-methyl-benzamide.

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(3-furylmethoxy)-benzamide;

5      benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-ethoxy-benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(but-2-enyloxy)-benzamide;

10     benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(cyclopropyl-methoxy)-benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(1-methylprop-2-nyloxy)-benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(3-phenylprop-2-nyloxy)-benzamide;

15     3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(3-methyl-5-phenylpent-2-en-4-nyloxy)-benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(prop-2-nyloxy)-benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(propoxy)-benzamide;

20     3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(cyclobutoloxo)-benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(2-thienylmethoxy)-benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(2-methyl-prop-2-nyloxy)-benzamide;

25     benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(2-phenoxyethoxy)-benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(but-2-enyloxy)-benzamide;

30     3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(but-3-nyloxy)-benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(cyclopentyloxy)-benzamide;

3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(3-(2-fluorophenyl)-prop-2-nyloxy)-benzamide;

5       3,4-Difluoro-2-(4-iodo-2-methyl-phenylamino)-N-(tetrahydro-pyran-2-yloxy)-benzamide;

3,4-Difluoro-N-hydroxy-2-(4-iodo-2-methyl-phenylamino)-benzamide;

3,4-Difluoro-2-(2-chloro-4-iodo-phenylamino)-N-cyclobutylmethoxy-benzamide;

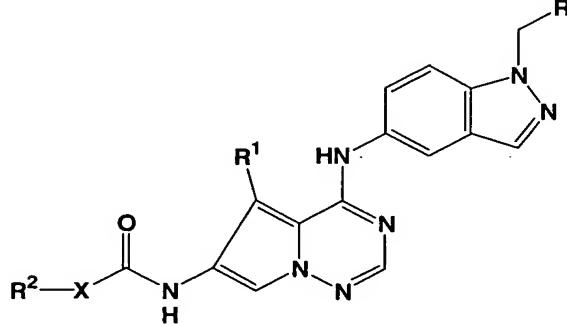
10      3,4-Difluoro-2-(2-chloro-4-iodo-phenylamino)-N-(tetrahydro-pyran-2-yloxy)-benzamide; and

3,4-Difluoro-2-(2-chloro-4-iodo-phenylamino)-N-cyclopropylmethoxy-benzamide.

15      11.     The method according to claim 2 wherein said anticancer agent is a pan HER inhibitor.

12.     The method according to claim 11 wherein said pan HER inhibitor has the formula:

20



wherein

25     R is selected from the group consisting of aryl, substituted aryl, heterocyclo, and substituted heterocyclo;

R<sup>1</sup> is selected from the group consisting of alkyl and substituted alkyl;

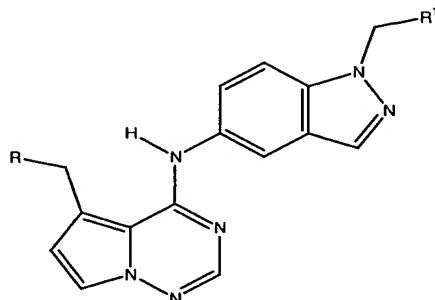
$R^2$  is selected from the group consisting of hydrogen, alkyl, substituted alkyl, cycloalkyl, substituted cycloalkyl, aryl, substituted aryl, aralkyl, heterocyclo, and substituted heterocyclo; or,  $R^2$  may be absent;

X is selected from the group consisting of a bond, O, S,  $C(R^3)_2$ ,  $C(R^3)_3$ ,  $NR^3$ ,  
5 and  $N(R^3)_2$ ;

$R^3$  is independently selected from the group consisting of hydrogen, alkyl, substituted alkyl, aryl, substituted aryl, aralkyl, heterocyclo, and substituted heterocyclo,

and pharmaceutically acceptable salts, prodrugs, enantiomers, diastereomers,  
10 and solvates thereof.

13. The method according to claim 11 wherein said pan HER inhibitor has  
the formula:



15

its enantiomers, diastereomers, and pharmaceutically acceptable salts, prodrugs and  
solvates thereof, wherein

R is selected from the group consisting of  $SR^2$ ,  $SOR^2$ ,  $SO_2R^2$ ,  $OR^2$ , and  
20  $NR^3R^4$ ;

$R^1$  is selected from the group consisting of aryl, substituted aryl, heterocyclo,  
and substituted heterocyclo;

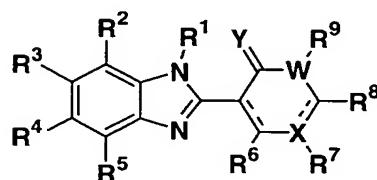
$R^2$  is selected from the group consisting of hydrogen, alkyl, substituted alkyl,  
aryl, substituted aryl, aralkyl, heterocyclo, and substituted heterocyclo;

25  $R^3$  and  $R^4$  are independently selected from the group consisting of hydrogen,  
alkyl, substituted alkyl, aryl, substituted aryl, heterocyclo, and substituted  
heterocyclo;

or R<sup>2</sup> and R<sup>3</sup> may together form an optionally substituted monocyclic 4-8 membered saturated or unsaturated carbocyclic or heterocyclic ring, or an optionally substituted bicyclic 7 to 12 membered saturated or unsaturated carbocyclic or heterocyclic ring.

5

14. The method according to claim 2 wherein said IGF1R inhibitor has the formula I:



10

and includes enantiomers, diastereomers, pharmaceutically acceptable salts, hydrates, prodrugs and solvates thereof:

wherein

X is N, C<sub>1</sub>-C<sub>3</sub> alkyl, or a direct bond;

15

Y is O or S;

W is N, C, O, or S; provided that if W is O or S, R<sup>9</sup> is absent;

R<sup>1</sup> is H, alkyl, or alkoxy;

R<sup>2</sup> and R<sup>9</sup> are independently H or alkyl;

R<sup>3</sup> is H, C<sub>1-6</sub> alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, halo, amino,  
20 -OR<sup>60</sup>, -NO<sub>2</sub>, -OH, -SR<sup>60</sup>, -NR<sup>60</sup>R<sup>61</sup>, -CN, -C(O)R<sup>60</sup>, -CO<sub>2</sub>R<sup>60</sup>, -CONR<sup>60</sup>R<sup>61</sup>,  
OCONR<sup>60</sup>R<sup>61</sup>, -NR<sup>62</sup>CONR<sup>60</sup>R<sup>61</sup>, -NR<sup>60</sup>SO<sub>2</sub>R<sup>61</sup>, -SO<sub>2</sub>NR<sup>60</sup>R<sup>61</sup>, -SO<sub>2</sub>R<sup>63</sup>,  
-C(NR<sup>62</sup>)NR<sup>60</sup>R<sup>61</sup>, -C(NH<sup>62</sup>)-morpholine, aryl, heteroaryl, -(CH<sub>2</sub>)<sub>n</sub>C(O)<sub>2</sub>-R<sup>60</sup>,  
-NR<sup>60</sup>R<sup>61</sup>-(CH<sub>2</sub>)<sub>n</sub>OR<sup>60</sup>, -(CH<sub>2</sub>)<sub>n</sub>NR<sup>60</sup>R<sup>61</sup>, -(CH<sub>2</sub>)<sub>n</sub>SR<sup>60</sup>, -(CH<sub>2</sub>)<sub>n</sub> aryl, -(CH<sub>2</sub>)<sub>n</sub>  
heteroaryl, or -(CH<sub>2</sub>)<sub>n</sub> heterocycloalkyl, wherein n is 1 to 3:

25

R<sup>4</sup> is H, halo, alkyl or haloalkyl;

R<sup>5</sup> is H, alkyl, halo, or aryl;

R<sup>6</sup>, R<sup>7</sup>, and R<sup>8</sup> are each independently -NH-Z-aryl or -NH-Z-heteroaryl  
wherein Z is C<sub>1</sub> - C<sub>4</sub> alkyl, alkenyl, or alkynyl; Z optionally having one or more

hydroxy, thiol, alkoxy, thioalkoxy, amino, halo,  $\text{NR}^{60}\text{SO}_2\text{R}^{61}$  groups; Z optionally incorporating one or more groups selected from the group consisting of CO, CNOH,  $\text{CNOR}^{60}$ ,  $\text{CNNR}^{60}$ ,  $\text{CNNCOR}^{60}$  and  $\text{CNNSO}_2\text{R}^{60}$ ;

5       $\text{R}^{60}$ ,  $\text{R}^{61}$ ,  $\text{R}^{62}$ , and  $\text{R}^{63}$  are independently selected from the group consisting of H, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, hydroxy, alkoxy, aryl, heteroaryl, heteroarylalkyl, and alkyl- $\text{R}^{25}$ ;

10      $\text{R}^{25}$  is hydrogen, alkenyl, hydroxy, thiol, alkoxy, thioalkoxy, amino, alkylamino, dialkylamino, aryl, heteroaryl, cyano, halo, sulfoxy, sulfonyl,  $-\text{NR}^{30}\text{COOR}^{31}$ ,  $-\text{NR}^{30}\text{C(O)R}^{31}$ ,  $-\text{NR}^{30}\text{SO}_2\text{R}^{31}$ ,  $-\text{C(O)NR}^{30}\text{R}^{31}$ , heteroaryl or heterocycloalkyl; and

15      $\text{R}^{30}$  and  $\text{R}^{31}$  are, independently, hydrogen, alkyl, or cycloalkyl.

15.     The method according to claim 14 wherein  $\text{R}^3$  is an optionally substituted morpholine, thiomorpholine, sulfoxymorpholine, sulfonylmorpholine, or homomorpholine.

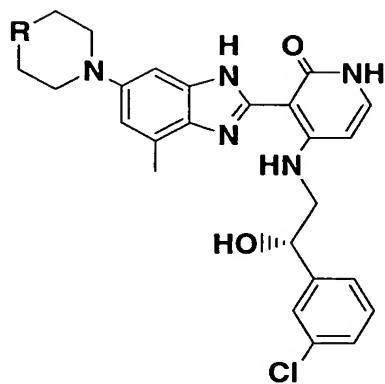
16.     The method according to claim 14 wherein  $\text{R}^3$  is a substituted or unsubstituted piperazine or piperadine.

20     17.     The method according to claim 14 wherein  $\text{R}^6$  is  $-\text{NH-Z-aryl}$ , or  $-\text{NH-Z-heteroaryl}$ .

25     18.     The method according to claim 17 wherein said aryl is a substituted or unsubstituted phenyl.

19.     The method according to claim 17 wherein said heteroaryl is a substituted or unsubstituted pyridinyl, imidazolyl, pyrazolyl, pyrrolyl or triazolyl.

30     20.     The method according to claim 2 wherein the anticancer agent is cetuximab, erlotinib, or gefitinib and the IGF1R inhibitor is of the following formula:



wherein R is -NCH<sub>2</sub>CH<sub>2</sub>OMe or O.

5        21.      The method according to Claim 1 wherein the anticancer agent is a  
microtubule-affecting agent; a natural product or derivative thereof, or a platinum  
coordination complex.

10      22.      The method according to claim 21 wherein said microtubule-affecting  
agent is allocolchicine, Halichondrin B, colchicine, colchicine derivatives, dolastatin  
10, maytansine, rhizoxin, paclitaxel, a paclitaxel derivative, thiocolchicine, trityl  
cysteine, vinblastine sulfate, vincristine sulfate, epothilone A, epothilone B,  
discodermolide, estramustine, nocodazole, or MAP4.

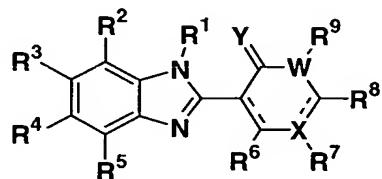
15      23.      The method according to claim 21 wherein said natural product is a  
vinca alkaloid, an antitumor antibiotic, an enzyme, lymphokine, epipodophyllotoxin,  
Vinblastine, Vincristine, Vindesine, Bleomycin, Dactinomycin, Daunorubicin,  
Doxorubicin, Epirubicin, Idarubicin, Ara-C, Mithramycin, Deoxyco-formycin,  
Mitomycin-C, L-Asparaginase, an Interferon, Etoposide, or Teniposide.

20      24.      The method according to claim 21 wherein said platinum coordination  
complex is cisplatin or carboplatin.

25      25.      The method according to claim 23 wherein said anticancer agent is  
etoposide.

26. The method according to claim 21 wherein said anticancer agent is paclitaxel.

5 27. The method according to claim 21 wherein said IGF1R inhibitor has the formula I:



I

10 and includes enantiomers, diastereomers, pharmaceutically acceptable salts, hydrates, prodrugs and solvates thereof:

wherein

X is N, C<sub>1</sub>-C<sub>3</sub> alkyl, or a direct bond;

Y is O or S ;

15 W is N, C, O, or S; provided that if W is O or S, R<sup>9</sup> is absent;

R<sup>1</sup> is H, alkyl, or alkoxy;

R<sup>2</sup> and R<sup>9</sup> are independently H or alkyl;

R<sup>3</sup> is H, C<sub>1-6</sub> alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, halo, amino, -OR<sup>60</sup>, -NO<sub>2</sub>, -OH, -SR<sup>60</sup>, -NR<sup>60</sup>R<sup>61</sup>, -CN, -C(O)R<sup>60</sup>, -CO<sub>2</sub>R<sup>60</sup>, -CONR<sup>60</sup>R<sup>61</sup>,

20 OCONR<sup>60</sup>R<sup>61</sup>, -NR<sup>62</sup>CONR<sup>60</sup>R<sup>61</sup>, -NR<sup>60</sup>SO<sub>2</sub>R<sup>61</sup>, -SO<sub>2</sub>NR<sup>60</sup>R<sup>61</sup>, -SO<sub>2</sub>R<sup>63</sup>,

-C(NR<sup>62</sup>)NR<sup>60</sup>R<sup>61</sup>, -C(NH<sup>62</sup>)-morpholine, aryl, heteroaryl, -(CH<sub>2</sub>)<sub>n</sub>C(O)<sub>2</sub>-R<sup>60</sup>,

-NR<sup>60</sup>R<sup>61</sup> -(CH<sub>2</sub>)<sub>n</sub>OR<sup>60</sup>, -(CH<sub>2</sub>)<sub>n</sub>NR<sup>60</sup>R<sup>61</sup>, -(CH<sub>2</sub>)<sub>n</sub>SR<sup>60</sup>, -(CH<sub>2</sub>)<sub>n</sub> aryl, -(CH<sub>2</sub>)<sub>n</sub> heteroaryl, or -(CH<sub>2</sub>)<sub>n</sub> heterocycloalkyl, wherein n is 1 to 3:

R<sup>4</sup> is H, halo, alkyl or haloalkyl;

25 R<sup>5</sup> is H, alkyl, halo, or aryl;

R<sup>6</sup>, R<sup>7</sup>, and R<sup>8</sup> are each independently -NH-Z-aryl or -NH-Z-heteroaryl

wherein Z is C<sub>1</sub> – C<sub>4</sub> alkyl, alkenyl, or alkynyl; Z optionally having one or more hydroxy, thiol, alkoxy, thioalkoxy, amino, halo, NR<sup>60</sup>SO<sub>2</sub>R<sup>61</sup> groups; Z optionally

incorporating one or more groups selected from the group consisting of CO, CNOH, CNOR<sup>60</sup>, CNNR<sup>60</sup>, CNNCOR<sup>60</sup> and CNNSO<sub>2</sub>R<sup>60</sup>;

R<sup>60</sup>, R<sup>61</sup>, R<sup>62</sup>, and R<sup>63</sup> are independently selected from the group consisting of H, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, hydroxy, alkoxy, aryl,

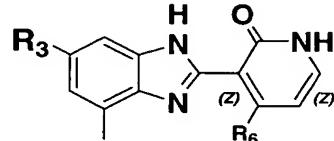
5 heteroaryl, heteroarylalkyl, and alkyl-R<sup>25</sup>;

R<sup>25</sup> is hydrogen, alkenyl, hydroxy, thiol, alkoxy, thioalkoxy, amino, alkylamino, dialkylamino, aryl, heteroaryl, cyano, halo, sulfoxy, sulfonyl, -NR<sup>30</sup>COOR<sup>31</sup>, -NR<sup>30</sup>C(O)R<sup>31</sup>, -NR<sup>30</sup>SO<sub>2</sub>R<sup>31</sup>, -C(O)NR<sup>30</sup>R<sup>31</sup>, heteroaryl or heterocycloalkyl; and

10 R<sup>30</sup> and R<sup>31</sup> are, independently, hydrogen, alkyl, or cycloalkyl.

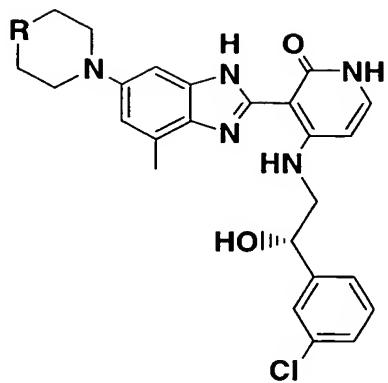
28. The method according to claim 27 wherein said anticancer agent is etoposide, paclitaxel, or cisplatin.

15 29. The method according to claim 28 wherein the IGF1R inhibitor has the formula:



20 wherein R<sup>3</sup> is an unsubstituted or substituted morpholine, piperazine or piperidine and R<sup>6</sup> is -NHZ-aryl or -NHZ-heteroaryl.

30. The method according to claim 28 wherein said IGF1R inhibitor has the formula:



wherein R is -NCH<sub>2</sub>CH<sub>2</sub>OMe or O.